Fall 2016 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| ST0012 | Overall LMA | Total LMA | | | | | | |
|---|------------------------|---------------------|----------------|-------------|-----------------------------|---------|--------------------|---------|
| Sacramento Maintenance Yard Willow | Rating | Miles | | | | | | |
| Slough Bypass | Α | 12.51 | | | | | | |
| | | Maintena | nce Deficiancy | | Enforcement | | Design 8 Obsole | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | |
| Earthen Levee | | | 1 | | | | | |
| Encroachments | 0.02 | | 0.02 | 0.16% | 1.44 | | | |
| Slope Stability | 0.01 | | 0.01 | 0.08% | | | | |
| Erosion / Bank Caving | 0.20 | | 0.20 | 1.60% | | | | |
| Cracking | 0.02 | | 0.02 | 0.16% | | | 0.03 | |
| Crown Surface / Depressions / Rutting | 0.34 | | 0.34 | 2.72% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.04 | | | |
| LMA Totals: | 0.59 | 0.00 | 0.59 | 4.72% | 1.48 | 0.00 | 0.03 | 0.00 |
| Unit No. 01 Willow Slough Bypass or | Overall Unit | Total Unit | | | | | | |
| North Levee LB | Rating | Miles | | | | | | |
| ST0012 | Α | 5.05 | | | | | | |
| | | Maintena | nce Deficiancy | | Enforcement Design & Obsole | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Encroachments | 0.01 | | 0.01 | 0.20% | 1.16 | | | |
| Erosion / Bank Caving | 0.07 | | 0.07 | 1.39% | | | | |
| Cracking | 0.02 | | 0.02 | 0.40% | | | 0.01 | |
| Crown Surface / Depressions / Rutting | 0.03 | | 0.03 | 0.59% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.02 | | | |
| Unit Totals: | 0.13 | 0.00 | 0.13 | 2.57% | 1.18 | 0.00 | 0.01 | 0.00 |
| Unit No. 02 Willow Slough Bypass or South Levee RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0012 | Α | 7.46 | | | | | | |
| | | Maintena | nce Deficiancy | | Enforc | ement | Design 8 Obsole | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Encroachments | 0.01 | | 0.01 | 0.13% | 0.28 | | | |
| Slope Stability | 0.01 | | 0.01 | 0.13% | | | | |
| Erosion / Bank Caving | 0.13 | | 0.13 | 1.74% | | | | |
| Cracking | | | | | | | 0.02 | |
| Crown Surface / Depressions / Rutting | 0.31 | | 0.31 | 4.16% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.02 | | | |
| Unit Totals: | 0.46 | 0.00 | 0.46 | 6.17% | 0.30 | 0.00 | 0.02 | 0.00 |

Winter **

Flood Control Project Maintenance Levee Inspections

LMA District Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

Summer **

Spring

| | (March - May) | (June - August) | (September - November) | (December - February) |
|--|---|---|--|-----------------------|
| † Overall LMA Rating (Fall Only) | | | A | |
| , | ** Non-receipt of Summ Reports may effect or | | | |
| † SPRING INSPECTIONS: Overall maintenance deficiencies are rated | | nined for the spring in ria in the spring and ir | | ual maintenance |
| FALL INSPECTIONS: The overall maintena within the attached un | | | ion and maintenance de ended to be an indiction o | |
| Comments | | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles |
|---|------|------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|-------------------------------------|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | Α | |
| Date of Inspection | 3/2/2016 - 3/2/2016 | | 10/11/2016 - 10/11/2016 | |
| DWR Inspector | Jai Lor | | Oleg Yakimov | |
| Accompanied By | Casey Lund | | Casey Lund | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| | _ | | | | | | |
|--|---------------------------------|--------------|----------|------------|--------|--------------|---|
| LM Start | | Rating ** | Α | Issue No. | | 6 | |
| LM End | | Issue Type + | Ma | Location * | | N/A | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | | s & Maintena | nce | | 0 | | 0 |
| item | Manuals | | | | | | 0 |
| DWR ID | DWR ID DWR_ST0012_01_s _ 2013_6 | | | | | | |
| | | Comn | nent Cod | de | | | |
| | | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| Sacramento Maintenance Yard has copies of their O&M manuals. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

| LM Start | | Rating ** | Α | Issue No. | | 7 | | | |
|---|-----------|----------------|----------|------------|--------|--------------|---|--|--|
| LM End | | Issue Type + | Ma | Location * | | N/A | | | |
| Category | Earthen L | evee | | GPS La | atituc | le/Longitude | | | |
| Calegory | | Start | | End | | | | | |
| Emergency Supplies & | | | | 0 | | 0 | | | |
| пеш | Equipmen | it | | | 0 | | 0 | | |
| DWR ID | DWR_ST0 | 012_01_s _ 201 | 3_7 | | | | | | |
| | | Comn | nent Cod | de | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Inspector Comment | | | | | | | | | |
| Sacramento Maintenance Yard has a stockpile of flood response material. | | | | | | | | | |

No Photos

| LM Start | | Rating ** | Α | Issue No. | | 8 | |
|----------|---|----------------|----------|------------|--------|--------------|---|
| LM End | | Issue Type + | Ma | Location * | | N/A | |
| Category | Earthen L | evee | | GPS La | atituc | le/Longitude | |
| Category | | | | Start | | End | |
| Item | Flood Pre | paredness & | Training | | 0 | | 0 |
| item | | | | | 0 | | 0 |
| DWR ID | DWR_ST0 | 012_01_s _ 201 | 3_8 | | | | |
| | | Comn | nent Cod | de | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| | Sacramento Maintenance Yard has a written flood response plan and flood fight training. | | | | | | |

No Photos

| * Location | ** Rating | | + Issue Type |
|-------------------------------------|--------------------------|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS: Water Side | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 0.00 | Rating ** | М | Issue No. | | 20 | |
|----------|--------------|------------------------|----|------------|------|--------------|--|
| LM End | 0.00 | Issue Type + | En | Location * | N/A | | |
| Category | ental | GPS Latitude/Longitude | | | | | |
| Calegory | Category | | | | | End | |
| Itom | DWR UCI | P Field Study | | 38.5999 | 40 ° | 38.599940° | |
| пеш | Item | | | | 30° | -121.753530° | |
| DWR ID | | | | | | | |
| | Comment Code | | | | | | |

38.599940|°| 38.599940|°|

Inspector Comment

FS_ID:44951 DS_ID:17667 EP_NO: 15811

Repair Type: Non-Urgent Crossing Status: Not Found

UCIP Comments: No markers or other indication of pipe location.

Needs to be marked.

FIELD_STRUCT_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811.

FS Date: 5/5/2015 8:40:19 AM

| LM Start | 0.90 | Rating ** | М | Issue No. | | 16 | | |
|--------------|----------------------------------|--------------|---------|--------------|------------|--------------|--|--|
| LM End | 0.90 | Issue Type + | Ob | Location * | LS | | | |
| Category | evee | GPS La | titud | le/Longitude | | | | |
| Category | | | | Start | | End | | |
| Cracking | | | 38.5904 | 56° | 38.590456° | | | |
| пеш | | | | -121.6819 | 52 ° | -121.681952° | | |
| DWR ID | DWR ID DWR_ST0012_01_f _ 2015_16 | | | | | | | |
| Comment Code | | | | | | | | |
| | | | | | | | | |

CR1: Monitor and have inspected by geotechnical engineer.

Inspector Comment

Photo 1 of 3: FA_2016_ST0012_295_16_20160913_00010.jpg

No Photos



View of the dessication cracking on the landward side of the levee. Fall 2015.

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start LM End Category | | Rating ** Issue Type + | М | Issue No. | | 16 (cont) |
|--------------------------|----------------|------------------------|----------|-------------|--------|---------------|
| | nd 0.90 | Issue Type + | | | | io (cont) |
| Category | | | Ob | Location * | | LS |
| Calegory | Earthen L | evee | | GPS La | atitud | le/Longitude |
| | JOIY | | | Start | | End |
| Item | Cracking | | | 38.5904 | 56° | 38.590456° |
| пеш | " | | | -121.6819 | 52° | -121.681952 ° |
| DWR ID | RID DWR_STO | 012_01_f _ 201 | 5_16 | | | |
| | | Comn | nent Cod | de | | |
| CR1 : Mor | Monitor and ha | ave inspected | by geote | echnical en | gine | er. |
| | | | | | | |
| | | Inspect | or Comm | nent | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| CR1 : Mor | Monitor and ha | ave inspected | by geote | echnical en | gine | er. |

| LM Start | 0.90 | Rating ** | М | Issue No. | 16 (cont) |
|----------|------|--------------|----|------------|-----------|
| LMC | 0.00 | Iceua Typa + | Oh | Location * | 1.0 |

Photo 2 of 3 : FA_2016_ST0012_295_16_20160913_00011.jpg

View of the crack on the landward side of the levee looking upstream. Spring 2016.

Photo 3 of 3: FA_2016_ST0012_295_16_20160913_00012.jpg



Perspective view of the crack looking downstream. Fall 2015.

| LM Start | 1.53 | Rating ** | М | Issue No. | | 14 |
|------------|------------|------------------|-----------|--------------|--------|---------------|
| LM End | 2.20 | Issue Type + | En | Location * | | LS |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude |
| Category | | | | Start | | End |
| Item | Encroachi | ments | | 38.5903 | 34° | 38.590466 ° |
| item | | | | -121.6936 | 18° | -121.705849 ° |
| DWR ID | DWR_ST00 | 012_01_f _ 2016 | 5_14 | | | |
| | | Comn | nent Cod | de | | |
| FE : Fence | 9 | | | | | |
| | | Inspecto | or Comm | nent | | |
| No record | of a permi | t releted to thi | s fence t | found in lev | ee lo | og. |
| | | | | | | |
| | | | | | | |
| | | | | | | |



View of fence encroaching 10-foot easement on landward side of the levee. Fall 2016.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Page 4 of 10

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 1.65 | Rating ** | М | Issue No. | | 9 |
|------------|-----------|-----------------|---------------|------------|--------------|--------------|
| LM End | 1.65 | Issue Type + | Ma | Location * | | LS |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude |
| Calegory | | | | Start | | End |
| ltom | Encroachi | ments | | 38.5904 | 08° | 38.590408° |
| Item | | | -121.695755 ° | | -121.695755° | |
| DWR ID | DWR_ST00 | 012_01_f _ 2010 | 6_9 | | | |
| | | Comn | nent Cod | de | | |
| DE : Debri | S | | | | | |
| | | | | | | |
| | | Inspecto | or Comm | nent | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



View of debris on landward side of the levee near abandoned buildings. Fall 2016.

| LM Start | 1.86 | Rating ** | A/W | Issue No. | | 15 |
|----------------------------------|--------------|---------------|----------|-------------|--------|---------------|
| LM End | 1.88 | Issue Type + | Ма | Location * | | CR |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude |
| Calegory | | | | Start | | End |
| Item | Cracking | | | 38.5903 | 878° | 38.590379° |
| item | | | | -121.6996 | ° 083 | -121.699920 ° |
| DWR ID DWR_ST0012_01_f _ 2015_15 | | | | | | |
| | | Comn | nent Cod | de | | |
| CR1 : Mon | itor and ha | ave inspected | by geote | echnical en | gine | er. |
| | | Inspecto | or Comm | nent | | |
| Cracks sta | rting to for | m on the wate | erward s | lope. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Photo 1 of 3 : FA_2016_ST0012_295_15_20160913_00007.jpg



Perspective view of the crack on the crown of the levee looking downstream. Fall 2015.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 1.86 | Rating ** | A/W | Issue No. | | 15 (cont) |
|------------|--------------|----------------|----------|-------------|--------|---------------|
| LM End | 1.88 | Issue Type + | Ma | Location * | | CR |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Cracking | | | 38.5903 | 878° | 38.590379° |
| item | | | | -121.6996 | 30° | -121.699920 ° |
| DWR ID | DWR_ST00 | 012_01_f _ 201 | 5_15 | | | |
| | | Comn | nent Cod | de | | |
| CR1 : Mon | itor and ha | eve inspected | by geote | echnical en | gine | er. |
| | | Inspecto | or Comm | nent | | |
| Cracks sta | rting to for | m on the wate | erward s | lope. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

A/W

Issue No.

Location *

15 (cont)

CR

1.86

1.88

LM Start LM End Rating **

Issue Type +

| Photo 2 of 3: FA_2016_ST0012_295_15_20160913_00008.jpg | |
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Cracks are starting to form on the waterward slope of the levee looking downstream. Fall 2015.

Photo 3 of 3: FA_2016_ST0012_295_15_20160913_00009.jpg

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| | | | 10/15/2015 |

There is another crack perpendicular to the crack on the levee crown. Fall 2015.

| LM Start | 2.02 | Rating ** | М | Issue No. | | 5 | |
|---------------------------------|-----------|--------------|----------|------------|--------|--------------|--|
| LM End | 2.02 | Issue Type + | En | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Encroach | ments | | 38.5903 | 81 ° | 38.590381 ° | |
| item | | | | -121.7025 | 54° | -121.702554° | |
| DWR ID DWR_ST0012_01_f _ 2016_5 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| DE : Debri | S | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



Tree body on waterside slope looking downstream. Fall 2016.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Page 6 of 10

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 2.93 | Rating ** | М | Issue No. | | 10 | |
|---|-------------|-----------------|------------|-------------|--------|--------------|--|
| LM End | 3.00 | Issue Type + | Ма | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 38.5905 | 72° | 38.590653° | |
| пеш | | | | -121.7193 | 49° | -121.720714° | |
| DWR ID DWR_ST0012_01_s _ 2015_10 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spec | ction. | |
| | | | _ | | | | |
| | | Inspecto | or Comm | nent | | | |
| Area is known to erode and may be because of the material of the levee. | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the erosion on the landward side of the levee looking upstream. Fall 2015.

| LM Start | 3.36 | Rating ** | М | Issue No. | | 13 | |
|----------------------------------|-------------|----------------|----------|-------------|--------|--------------|--|
| LM End | 3.36 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | | rface / Depres | ssions / | 38.5906 | 20° | 38.590620° | |
| item | Rutting | | | -121.7273 | 85 ° | -121.727385° | |
| DWR ID DWR_ST0012_01_s _ 2016_13 | | | | | | | |
| | | Comn | nent Coo | le | | | |
| C2 : Repa | ir depressi | ons or ruts in | the crow | n or slope. | | | |
| | | Inspecto | or Comm | ent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the ruts created by vehicles on the crown of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 3.50 | Rating ** | М | Issue No. | | 3 | |
|---------------------------------|-------------|----------------|----------|-------------|--------|---------------|--|
| LM End | 3.50 | Issue Type + | Ma | Location * | | CR | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | | rface / Depres | ssions / | 38.5907 | '31 ° | 38.590731 ° | |
| пеш | | | | | | -121.729906 ° | |
| DWR ID DWR_ST0012_01_f _ 2016_3 | | | | | | | |
| | | Comn | nent Coo | le | | | |
| C2 : Repa | ir depressi | ons or ruts in | the crow | n or slope. | | | |
| | | Inspecto | or Comm | ent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Photo 1 of 1: FA_2016_ST0012_295_3_20161011_00015.jpg



Ruts on levee crown due to vehicular activity. Fall 2016.

| LM Start | 3.51 | Rating ** | С | Issue No. | | 17 | | |
|------------|-------------|----------------|----------|--------------|--------|--------------|--|--|
| LM End | 3.51 | Issue Type + | Ma | Location * | | CR | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | |
| Calegory | | | | Start | | End | | |
| Item | Encroachi | ments | nents | | | 38.590751° | | |
| пеш | | | | -121.730004° | | -121.730004° | | |
| DWR ID | DWR_ST00 | 012_01_s _ 201 | 6_17 | | | | | |
| | | Comn | nent Cod | de | | | | |
| DE : Debri | DE : Debris | | | | | | | |
| | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | |

No Photos

| LM Start | 3.54 | Rating ** | М | Issue No. | | 18 | |
|------------|------------|----------------|----------|-------------|--------|--------------|--|
| LM End | 3.54 | Issue Type + | Ma | Location * | | CR | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Category | | | | Start | | End | |
| Item | | rface / Depres | ssions / | 38.5906 | 85° | 38.590685° | |
| пеш | Rutting | | | -121.7306 | 57° | -121.730657° | |
| DWR ID | DWR_ST00 | 012_01_s _ 201 | 6_18 | | | | |
| | | Comn | nent Coo | de | | | |
| C2 : Repai | r depressi | ons or ruts in | the crow | n or slope. | | | |
| | | | | | | | |
| | | Inspect | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the ruts caused by vehicles on the crown of the levee looking downstream. Spring 2016.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 3.90 | Rating ** | М | Issue No. | | 12 | |
|--|-------------|---------------|----------|-------------|--------|--------------|--|
| LM End | 3.90 | Issue Type + | Ма | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Cracking | | | 38.5941 | 49° | 38.594149° | |
| пеш | | | | -121.7352 | 54° | -121.735254° | |
| DWR ID DWR_ST0012_01_f _ 2015_12 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| CR1 : Mon | itor and ha | ave inspected | by geote | echnical en | gine | er. | |
| | | Inspecto | or Comm | nent | | | |
| Inspector Comment The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes. | | | | | | | |

| LM Start | 3.90 | Rating ** | М | Issue No. | 12 (cont) | |
|----------|------|--------------|----|------------|-----------|--|
| LM End | 3.90 | Issue Type + | Ma | Location * | LS | |

Photo 1 of 2 : FA_2016_ST0012_295_12_20160913_00004.jpg



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_ST0012_295_12_20160913_00005.jpg



View of the sinkholes on the landward side of the levee. Sinkholes are caused due to material of the levee and runoffs. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 3.94 | Rating ** | М | Issue No. | | 11 | | |
|-----------------------------|-------------|----------------|------------|------------------------|-------------|--------------|--|--|
| LM End | 3.94 | Issue Type + | Ma | Location * | LS | | | |
| Category Earthen Levee | | | | GPS Latitude/Longitude | | | | |
| Calegory | | | | | | End | | |
| Item | Cracking | | 38.5946 | 45° | 38.594645 ° | | | |
| item | | | | -121.735712° | | -121.735712° | | |
| DWR ID | DWR_ST00 | 012_01_f _ 201 | 5_11 | | | | | |
| | | Comn | nent Cod | de | | | | |
| CR1 : Mon | itor and ha | ave inspected | by geote | echnical en | gine | er. | | |
| | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | |
| The sinkho | oles are ca | used by the n | naterial c | of the levee | and | runoffs. | | |
| These are not rodent holes. | | | | | | | | |
| | | | | | | | | |



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

Photo 1 of 1: FA_2016_ST0012_295_4_20160913_00001.jpg

| 11100 | 440 | Rating ** | М | Issue No. | | 4 | | |
|---------------------------------|---------------|--------------|----------|------------|--------|---------------|--|--|
| LM Start | 4.12 | Rating | IVI | issue ivo. | | 4 | | |
| LM End | 4.60 | Issue Type + | En | Location * | LS | | | |
| Category Earthen Levee | | | | GPS La | atitud | e/Longitude | | |
| Odlogory | | | Start | | End | | | |
| Item | Encroachments | | | 38.5967 | '84 ° | 38.599845° | | |
| item | item | | | | 62° | -121.744830 ° | | |
| DWR ID DWR_ST0012_01_s _ 2012_4 | | | | | | | | |
| | | Comn | nent Cod | de | | | | |
| DT : Ditch | | | | | | | | |
| | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | |
| Ditch is at the levee toe. | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



View of the ditch on the landward side of the levee looking downstream. Fall 2015.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 4.30 | Rating ** | М | Issue No. | | 19 |
|-----------|----------|---------------|----------|------------|--------|--------------|
| LM End | 4.30 | Issue Type + | En | Location * | | LS |
| Category | Suppleme | ental | | GPS L | atitud | e/Longitude |
| Calegory | | | | Start | | End |
| Item | DWR UCI | P Field Study | | 38.5988 | 340° | 38.598840° |
| item | | | | | 000° | -121.739600° |
| DWR ID | | | | | | |
| | | Comn | nent Cod | de | | |
| | | | | | | |
| | | | | | | |
| | | Inspecto | or Comm | nent | | |
| FS_ID:293 | | | | | | |
| DS_ID:176 | 884 | | | | | |

No Photos

EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Not Found

UCIP Comments: PG&E may provide further info

FIELD_STRUCT_DESC: 8-inch gas main pipeline through both

levees.(PG&E).

O&M manual 120, revision Dec 2010. FS Date: 5/28/2013 2:36:00 PM

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles |
|---|-------|------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|-------------------------------------|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | Α | |
| Date of Inspection | 3/2/2016 - 3/2/2016 | | 10/11/2016 - 10/11/2016 | |
| DWR Inspector | Jai Lor | | Oleg Yakimov | |
| Accompanied By | | | Casey Lund | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 0.07 | Rating ** | М | Issue No. | 27 | | | |
|----------|--------------|---------------|------------------------|------------|-----|--------------|--|--|
| LM End | 0.07 | Issue Type + | En | Location * | CR | | | |
| Category | | | GPS Latitude/Longitude | | | | | |
| Calegory | | | Start | | End | | | |
| Item | DWR UCI | P Field Study | | 38.59910 | 0° | 38.599100° | | |
| пеш | | | | -121.75326 | 0° | -121.753260° | | |
| DWR ID | | | | | | | | |
| | Comment Code | | | | | | | |

Inspector Comment

FS_ID:45283 DS_ID:17703 EP_NO: 15811

Repair Type: Non-Urgent Crossing Status: Not Found

UCIP Comments: Need to contact owner of pipe to place indicators on

levee

FIELD_STRUCT_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811.

FS Date: 5/14/2015 1:35:47 PM

| LM Start | 0.29 | Rating ** | М | Issue No. | | 7 | | | |
|------------------------|--|--------------|----------|------------------------|-----|--------------|--|--|--|
| LM End | 0.40 | Issue Type + | En | Location * | | LS | | | |
| Catagori Earthen Levee | | | GPS La | GPS Latitude/Longitude | | | | | |
| Category | | | | Start | | End | | | |
| Item | Encroachi | ments | | 38.5989 | 93° | 38.599045 ° | | | |
| пеш | | | | -121.7491 | 30° | -121.747107° | | | |
| DWR ID | DWR ID DWR_ST0012_02_s _ 2014_7 | | | | | | | | |
| | | Comn | nent Cod | de | | | | | |
| DT : Ditch | | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | | |
| The ditch i | The ditch is located at the levee toe. | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

No Photos

Photo 1 of 2: FA_2016_ST0012_296_7_20161011_00029.jpg



An updated view of the ditch near LM 0.29. Fall 2016.

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 0.29 | Rating ** | М | Issue No. | 7 (cont) | |
|-------------|---------------------------------|-----------------|----------|------------|----------|--------------|
| LM End | 0.40 | Issue Type + | En | Location * | LS | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude |
| Category | | | | Start | | End |
| Item | Encroachi | ments | | 38.5989 | 93° | 38.599045° |
| пеш | | | | -121.7491 | 30° | -121.747107° |
| DWR ID | DWR ID DWR_ST0012_02_s _ 2014_7 | | | | | |
| | | Comn | nent Cod | de | | |
| DT : Ditch | | | | | | |
| | | Inanasta | or Comm | ant. | | |
| | | Inspecto | or Comm | ieni | | |
| The ditch i | s located a | at the levee to | e. | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Photo 2 of 2 : FA_2016_ST0012_296_7_20160913_00004.jpg

View of the ditch on the landward side of the levee looking downstream. Spring 2016.

| LM Start | 0.40 | Rating ** | М | Issue No. | | 26 |
|------------|----------------|-----------------|----------|------------|--------|---------------|
| LM End | 0.56 | Issue Type + | En | Location * | | LS |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Encroach | ments | | 38.5990 | 45° | 38.599033° |
| пеш | | | | -121.7471 | 08° | -121.744180 ° |
| DWR ID | DWR_ST0 | 012_02_f _ 2010 | 6_26 | | | |
| | | Comn | nent Cod | de | | |
| AT : Agric | ultural tillin | g | | | | |
| | | | | | | |
| | | Inspecto | or Comm | nent | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



View of a tilling issue at LS levee toe near LM 0.40 where ditch ends. Fall 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 1.21 | Rating ** | М | Issue No. | | 23 |
|-------------|-------------|-------------------|----------|---------------|--------|--------------|
| LM End | 1.21 | Issue Type + | Ma | Location * | | WS |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Erosion / I | Bank Caving | | 38.5933 | 868° | 38.593368° |
| пеш | | | | -121.735605 ° | | -121.735605° |
| DWR ID | DWR_ST00 | 012_02_f _ 2016 | 6_23 | | | |
| | | Comn | nent Cod | de | | |
| E1 : Note a | and monito | r erosion site | | | | |
| | | | _ | | | |
| | | Inspecto | or Comm | nent | | |
| Erosion on | waterward | d side at utility | crossin/ | g. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



View of an erosion site around UCIP pipe FSID 13725 on waterward side of the levee. Fall 2016.

| LM Start | 1.26 | Rating ** | М | Issue No. | | 21 |
|-------------------|-------------|-----------------|----------|------------|--------|---------------|
| LM End | 1.26 | Issue Type + | Ма | Location * | | WS |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude |
| Calegory | | | | Start | | End |
| Item | Erosion / I | Bank Caving | | 38.5927 | '46 ° | 38.592746° |
| item | | | | -121.7350 | 31 ° | -121.735031 ° |
| DWR ID | DWR_ST00 | 012_02_f _ 2010 | 6_21 | | | |
| | | Comn | nent Cod | de | | |
| E1 : Note a | and monito | or erosion site | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |
| | | | | | | |



View of erosion site on waterward side of the levee. Fall 2016.

| LM Start | 1.28 | Rating ** | С | Issue No. | | 6 | |
|-------------------------|-----------|--------------------|-----------|----------------|--------|--------------|---|
| LM End | 1.28 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Category | | | | Start | | End | |
| Item | Slope Sta | bility | | 38.5925 | 03° | 38.592503 | ٥ |
| пеш | | | | -121.7348 | 01° | -121.734801 | 0 |
| DWR ID | DWR_ST00 | 012_02_s _ 201 | 6_6 | | | | |
| | | Comn | nent Cod | le | | | |
| S3 : Repai access wh | | slope damag le. | jed by ve | ehicle traffic | anc | d prevent | |
| | | Inspecto | or Comm | ent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Page 4 of 17

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 1.61 | Rating ** | С | Issue No. | | 12 | |
|------------|-----------|----------------|----------|--------------|--------|------------------|--|
| LM End | 1.61 | Issue Type + | Ма | Location * | | CR | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Encroachi | ments | | 38.5899 | 10° | 38.589910 ° | |
| пеш | | | | -121.730042° | | 12° -121.730042° | |
| DWR ID | DWR_ST00 | 012_02_s _ 201 | 6_12 | | | | |
| | | Comn | nent Cod | de | | | |
| DE : Debri | S | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

| LM Start | 1.77 | Rating ** | М | Issue No. | | 8 | _ |
|------------|-------------------|-----------------|--------------|-------------|-----------------|-------------|---|
| LM End | 1.77 | Issue Type + | Ма | Location * | | WS | _ |
| Category | Earthen L | .evee | | GPS L | atitud | e/Longitude | |
| Category | | | | Start | | End | |
| Item | Erosion / | Bank Caving | | 38.5899 | 966° | 38.589966 | 0 |
| пеш | | | -121.727072° | | 2° -121.727072° | | |
| DWR ID | DWR_ST0 | 012_02_s _ 201 | 2_8 | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spe | ction. | |
| | | | | | | | |
| | Inspector Comment | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Photo 1 of 1 : FA_2016_ST0012_296_8_20160913_00005.jpg



View of the erosion on the edge of the channel looking downstream. Fall 2015.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 2.04 | Rating ** | М | Issue No. | 5 | | |
|-------------|---------------------------------|-----------------|----------|---------------|--------|------------------|--|
| LM End | 2.04 | Issue Type + | Ma | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 38.5899 | 06° | 38.589906° | |
| пеш | | | | -121.722218 ° | | 18° -121.722218° | |
| DWR ID | DWR ID DWR_ST0012_02_s _ 2012_5 | | | | | | |
| | | Comn | nent Cod | de | | | |
| E1 : Note a | and monito | or erosion site | | | | | |
| | | | _ | | | | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| LM Start | 2.04 | Rating ** | М | Issue No. | 5 (cont) |
|----------|------|--------------|----|------------|----------|
| LM End | 2.04 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : FA_2016_ST0012_296_5_20160913_00001.jpg

View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_ST0012_296_5_20160913_00002.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 2.25 | Rating ** | М | Issue No. | | 19 | | |
|-------------|-------------|----------------|----------|-----------------------|--------|--------------|--|--|
| LM End | 2.25 | Issue Type + | Ма | Location * | WS | | | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | | |
| Calegory | | | | Start | | End | | |
| Item | Erosion / I | Bank Caving | | 38.5898 | 45° | 38.589845 ° | | |
| пеш | | | | -121.718292° -121.718 | | | | |
| DWR ID | DWR_ST00 | 012_02_f _ 201 | 5_19 | | | | | |
| | | Comn | nent Cod | de | | | | |
| E1 : Note a | and monito | r erosion site | • | | | | | |
| | | Inspecto | or Comm | nent | | | | |
| Erosion cre | eping onto | o toe road. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| LM Start | 2.25 | Rating ** | М | Issue No. | 19 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 2.25 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2: FA_2016_ST0012_296_19_20160913_00018.jpg

View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_ST0012_296_19_20160913_00019.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 2.73 | Rating ** | М | Issue No. | | 20 | | |
|--|-------------|-----------------|----------|-----------------------|--------|-------------|--|--|
| LM End | 2.73 | Issue Type + | Ма | Location * | WS | | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | |
| Calegory | | | | Start | | End | | |
| Item | Erosion / I | Bank Caving | | 38.5897 | '07 ° | 38.589707° | | |
| пеш | | | | -121.709429 ° -121.70 | | | | |
| DWR ID DWR_ST0012_02_f _ 2015_20 | | | | | | | | |
| | | Comn | nent Cod | de | | | | |
| E1 : Note a | and monito | or erosion site | | | | | | |
| | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | |
| Erosion starting to creep onto the toe road. | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Photo 1 of 1 : FA_2016_ST0012_296_20_20160913_00020.jpg

View of the erosion at the edge of the channel looking downstream. Fall 2015.

| LM Start | 2.82 | Rating ** | М | Issue No. | | 10 | | |
|-------------|-------------|-----------------|----------|------------|--------|--------------|--|--|
| LM End | 2.82 | Issue Type + | Ма | Location * | WS | | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | |
| Category | | | | Start | | End | | |
| Item | Erosion / I | Bank Caving | | 38.5896 | 91° | 38.589691° | | |
| item | | | | -121.7077 | '40 ° | -121.707740° | | |
| DWR ID | DWR_ST00 | 012_02_f _ 201 | 4_10 | | | | | |
| | | Comn | nent Cod | de | | | | |
| E1 : Note a | and monito | or erosion site | | | | | | |
| | | la a a a a t | 0 | | | | | |
| | | Inspecto | or Comm | ient | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| LM Start | 2.82 | Rating ** | М | Issue No. | 10 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 2.82 | Issue Type + | Ма | Location * | WS |

Photo 1 of 2: FA_2016_ST0012_296_10_20160913_00008.jpg



Erosion on toe road. Fall 2014.

Photo 2 of 2: FA_2016_ST0012_296_10_20160913_00009.jpg



View of the erosion on the toe road looking downstream. Spring 2016.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| | 2.07 | Pating ** | М | Issue No. | | | | |
|---------------------------------|-------------|-----------------|------------|------------------------|--------|-------------|--|--|
| LM Start | 2.97 | Rating ** | IVI | issue ivo. | 9 | | | |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS | | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | |
| Category | | | | Start | | End | | |
| Item | Erosion / I | Bank Caving | | 38.5896 | 86° | 38.589686° | | |
| пеш | | | | -121.705041 ° -121.705 | | | | |
| DWR ID DWR_ST0012_02_f _ 2014_9 | | | | | | | | |
| | | Comn | nent Cod | de | | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spe | ction. | | |
| | | Inspecto | or Comm | nent | | | | |
| | | | | | | | | |
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Issue Type +

LM End

| | | | | | | An updated |
|----------|------|-----------|---|-----------|----------|------------|
| LM Start | 2.97 | Rating ** | М | Issue No. | 9 (cont) | Photo 2 |

Location *

WS



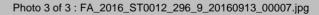
An updated view of erosion site on waterward side of the levee that keeps on growing. Fall 2016.

Photo 2 of 3: FA_2016_ST0012_296_9_20160913_00006.jpg



Erosion on toe road. Fall 2014.

| LM Start | 2.97 | Rating ** | М | Issue No. | 9 (cont) |
|----------|------|--------------|----|------------|----------|
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |





View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 2.98 | Rating ** | М | Issue No. | | 3 | | | | |
|---------------------------------|-----------|--------------|--------------|------------|--------------|-------------|--|--|--|--|
| LM End | 2.98 | Issue Type + | En | Location * | | LS | | | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | | | |
| Calegory | | | | Start | | End | | | | |
| Item | ments | | 38.5896 | 66 ° | 38.589666 ° | | | | | |
| item | | | -121.704729° | | -121.704729° | | | | | |
| DWR ID DWR_ST0012_02_f _ 2016_3 | | | | | | | | | | |
| | | Comn | nent Cod | de | | | | | | |
| SI : Sign | | | | | | | | | | |
| | | | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | | | |
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Photo 1 of 1: FA_2016_ST0012_296_3_20161011_00040.jpg



Owner installed a sign that displays house number on LS slope of the levee. Fall 2016.

| LM Start | 3.05 | Rating ** | М | Issue No. | | 16 | | | | |
|----------------------------------|-------------------|---------------------|----------|----------------|--------|--------------|--|--|--|--|
| LM End | 3.05 | Issue Type + | Ма | Location * | | LS | | | | |
| Category | Earthen L | evee | | GPS L | atitud | e/Longitude | | | | |
| Category | | | Start | | End | | | | | |
| Item | Slope Sta | ope Stability | | | 38° | 38.589638° | | | | |
| пеш | | | | -121.703452 ° | | -121.703452° | | | | |
| DWR ID DWR_ST0012_02_s _ 2016_16 | | | | | | | | | | |
| | | Comn | nent Cod | de | | | | | | |
| S3 : Repai access wh | | slope damag ole. | ed by ve | ehicle traffic | and | I prevent | | | | |
| | Inspector Comment | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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View of the slope stability on the shoulder of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 3.88 | Rating ** | М | Issue No. | | 4 | | | |
|---------------------------------|------------|-----------------|---------------|------------|------------------|--------------|--|--|--|
| LM End | 3.88 | Issue Type + | Ма | Location * | | WS | | | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | | | |
| Calegory | | | | Start | | End | | | |
| Item | Erosion / | Bank Caving | | 38.5895 | 19° | 38.589519° | | | |
| пеш | | | -121.688135 ° | | 35° -121.688135° | | | | |
| DWR ID DWR_ST0012_02_f _ 2016_4 | | | | | | | | | |
| Comment Code | | | | | | | | | |
| E1 : Note | and monito | or erosion site | | | | | | | |
| | | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | | |
| | | | | | | | | | |
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View of erosion site on waterward side of the levee. Fall 2016.

| LM Start | 3.95 | Rating ** | М | Issue No. | | 18 | | | | |
|----------------------------------|---------------|-----------------|---------------|------------|--------|--------------|--|--|--|--|
| LM End | 3.95 | Issue Type + | Ма | Location * | | WS | | | | |
| Category | Earthen L | evee | | GPS La | atitud | le/Longitude | | | | |
| Calegory | | | Start | | End | | | | | |
| Item | Erosion / | Bank Caving | | 38.5895 | ° 80 | 38.589508 ° | | | | |
| пеш | -121.686850 ° | | -121.686850 ° | | | | | | | |
| DWR ID DWR_ST0012_02_s _ 2016_18 | | | | | | | | | | |
| | | Comn | nent Cod | de | | | | | | |
| E1: Note a | and monito | or erosion site | | | | | | | | |
| | | | | | | | | | | |
| Inspector Comment | | | | | | | | | | |
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View of the erosion on the waterward side looking downstream. Spring 2016.

| LM Start | 4.18 | Rating ** | М | Issue No. | | 14 | | | | |
|----------------------------------|-----------|--------------|----------|-------------|--------|---------------|--|--|--|--|
| LM End | 4.18 | Issue Type + | Ма | Location * | | LS | | | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | | | |
| Category | | | | Start | | End | | | | |
| Item | ments | 38.5895 | 16° | 38.589516 ° | | | | | | |
| -121.682 | | | | | 85° | -121.682585 ° | | | | |
| DWR ID DWR_ST0012_02_f _ 2016_14 | | | | | | | | | | |
| | | Comn | nent Cod | de | | | | | | |
| GA : Garb | age | | | | | | | | | |
| | | | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | | | |
| | | | | | | | | | | |
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Garbage on landside slope. Fall 2016.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 4.29 | Rating ** | М | Issue No. | | 11 | | | | |
|----------------------------------|-------------|-----------------|---------------|-------------|---------------|------------|--|--|--|--|
| LM End | 4.29 | Issue Type + | Ма | Location * | | WS | | | | |
| Category | evee | GPS La | atitud | e/Longitude | | | | | | |
| Calegory | | | | Start | | End | | | | |
| Item | Erosion / I | Bank Caving | | 38.5895 | 550° | 38.589550° | | | | |
| пеш | | | -121.680632 ° | | -121.680632 ° | | | | | |
| DWR ID DWR_ST0012_02_f _ 2014_11 | | | | | | | | | | |
| Comment Code | | | | | | | | | | |
| E2 : Sched | lule repair | of erosion site | e prior to | the next in | spe | ction. | | | | |
| | | Inspecto | or Comm | nent | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |

| LM Start | 4.29 | Rating ** | М | Issue No. | 11 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 4.29 | Issue Type + | Ma | Location * | WS |



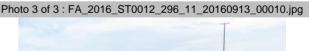
An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

Photo 2 of 3: FA_2016_ST0012_296_11_20161011_00035.jpg



Perspective view of the site. Fall 2016.

| LM Start | 4.29 | Rating ** | М | Issue No. | 11 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 4.29 | Issue Type + | Ma | Location * | WS |





View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

Location + Issue Type Ma: Maintenance Deficiancy LS: Land Side N/A: Not Applicable : Acceptable : Minimally Acceptable N: Not Inspected/Rated WS: Water Side Ob : Design & System Obsolescence A/W : Acceptable but Monitor & Maintain U : Unacceptable En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 4.59 | Rating ** | М | Issue No. | | 28 | |
|----------|--------------|---------------|------------------------|------------|------|--------------|--|
| LM End | 4.59 | Issue Type + | En | Location * | | WS | |
| Category | | | GPS Latitude/Longitude | | | | |
| Calegory | | | | | End | | |
| Item | DWR UCI | P Field Study | | 38.58957 | 75 ° | 38.589575° | |
| пеш | item | | | | 50° | -121.674950° | |
| DWR ID | | | | | | | |
| | Comment Code | | | | | | |

Inspector Comment

FS_ID:45285 DS_ID:546 EP_NO: 10319

Repair Type: Non-Urgent Crossing Status: Found

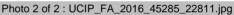
UCIP Comments: Material removed from inlet last fall. Outlet cleared FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10319 - Bell).

O&M manual 120, revision Dec 2010. FS Date: 5/14/2015 1:36:11 PM

| LM Start | 4.59 | Rating ** | М | Issue No. | 28 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 4.59 | Issue Type + | En | Location * | WS |



Waterside view- pipe and flap gate.





Landside view- pipe and headwall.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 5.02 | Rating ** | С | Issue No. | | 13 | | |
|-----------|-------------|----------------|----------|-------------|--------|-------------|---|--|
| LM End | 5.02 | Issue Type + | Ob | Location * | | WS | | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | | |
| Calegory | | | | Start | | End | | |
| Item | Cracking | | | 38.5895 | 72° | 38.589572 | 0 | |
| item | | | | -121.6671 | 43° | -121.667143 | 0 | |
| DWR ID | DWR_ST0 | 012_02_s _ 201 | 5_13 | | | | | |
| | | Comn | nent Cod | de | | | | |
| CR1 : Mon | itor and ha | ave inspected | by geote | echnical en | gine | er. | | |
| | | | | | | | | |
| | | Inspecto | or Comm | nent | | | | |
| | | | | | | | | |
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| | | | | | | | | |

No Photos

| LM Start | 5.05 | Rating ** | М | Issue No. | | 15 | | | |
|------------|----------------------------------|-----------------|------------|-------------|--------|--------------|--|--|--|
| LM End | 5.05 | Issue Type + | Ма | Location * | | WS | | | |
| Category | Earthen Levee | | | GPS La | atitud | le/Longitude | | | |
| Calegory | | | | Start | | End | | | |
| Item | Erosion / Bank Caving | | | | | 38.589570° | | | |
| пеш | | | | -121.6665 | 88° | -121.666588° | | | |
| DWR ID | DWR ID DWR_ST0012_02_s _ 2015_15 | | | | | | | | |
| | | Comn | nent Cod | le | | | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spec | ction. | | | |
| | | | _ | | | | | | |
| | | Inspecto | or Comm | ent | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
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| LM Start | 5.05 | Rating ** | М | Issue No. | 15 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 5.05 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : FA_2016_ST0012_296_15_20161011_00034.jpg

An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

Photo 2 of 3: FA_2016_ST0012_296_15_20160913_00014.jpg



View of the erosion on the edge of the channel on the waterward side of the levee. Spring 2015.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 5.05 | Rating ** | М | Issue No. | | 15 (cont) | |
|----------------------------------|-------------|-----------------|------------|-------------|--------------|--------------|--|
| LM End | 5.05 | Issue Type + | Ма | Location * | | WS | |
| Cotogoni | evee | | GPS La | atitud | le/Longitude | | |
| Category | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 38.5895 | 70° | 38.589570° | |
| item | | | | -121.6665 | 88° | -121.666588° | |
| DWR ID DWR_ST0012_02_s _ 2015_15 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spe | ction. | |
| | | | _ | | | | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Photo 3 of 3: FA_2016_ST0012_296_15_20160913_00015.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

| LM Start | 5.09 | Rating ** | М | Issue No. | | 17 | |
|----------------------------------|------------|-----------------|----------|------------|--------|--------------|--|
| LM End | 5.09 | Issue Type + | Ma | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Category | | | | Start | | End | |
| Item | Erosion / | Bank Caving | | 38.5895 | 65° | 38.589565° | |
| item | | | | -121.6657 | '31 ° | -121.665731° | |
| DWR ID DWR_ST0012_02_f _ 2016_17 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E1 : Note | and monito | or erosion site | | | | | |
| Inspector Comment | | | | | | | |
| | | | | | | | |
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View of a site that may become a larger erosion site in the future. Waterward side of the levee looking downstream. Fall 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 5.72 | Rating ** | М | Issue No. | | 22 | |
|----------------------------------|--------------|------------------------|----------|--------------|------|--------------|--|
| LM End | 5.72 | Issue Type + | Ob | Location * | LS | | |
| Category | evee | GPS Latitude/Longitude | | | | | |
| Calegory | | | | Start | | End | |
| Item | Cracking | | | 38.5894 | .99° | 38.589499° | |
| item | | | | -121.654098° | | -121.654098° | |
| DWR ID DWR_ST0012_02_f _ 2015_22 | | | | | | | |
| | Comment Code | | | | | | |
| CR1 : Mon | itor and ha | ave inspected | by geote | echnical en | gine | er. | |
| | | Inspecto | or Comm | nent | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| LM Start | 5.72 | Rating ** | М | Issue No. | 22 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 5.72 | Issue Type + | Ob | Location * | LS |

Photo 1 of 2 : FA_2016_ST0012_296_22_20160913_00021.jpg



View of the dessication cracking on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_ST0012_296_22_20160913_00022.jpg



View of the dessication crack on the landward side of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 6.16 | Rating ** | М | Issue No. | | 24 | |
|----------------------------------|---------------------------|------------------------|----------|-------------|------|------------|--|
| LM End | 6.16 | Issue Type + | Ob | Location * | WS | | |
| Category | evee | GPS Latitude/Longitude | | | | | |
| Calegory | | | | Start | | End | |
| Item | Cracking | | | 38.5878 | 326° | 38.587826° | |
| пеш | -121.647364 ° -121.647364 | | | | | | |
| DWR ID DWR_ST0012_02_f _ 2015_24 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| CR1 : Mor | nitor and ha | ave inspected | by geote | echnical en | gine | er. | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
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| | | | | | | | |

| LM Start | 6.16 | Rating ** | М | Issue No. | 24 (cont) |
|----------|------|--------------|----|------------|-----------|
| LMEnd | 6 16 | Issue Type + | Oh | Location * | We |

Photo 1 of 2 : FA_2016_ST0012_296_24_20160913_00023.jpg

View of the dessication cracking on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA_2016_ST0012_296_24_20160913_00024.jpg



View of the dessication cracks on the waterward side of the levee looking downstream. Spring 2016.

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/11/2016 10/11/2016 | Oleg Yakimov |

| LM Start | 7.15 | Rating ** | М | Issue No. | | 25 | |
|--|----------|------------------------|----------|--------------|-----|---------------|--|
| LM End | 7.46 | Issue Type + | Ma | Location * | CR | | |
| Category | evee | GPS Latitude/Longitude | | | | | |
| Category | | | | Start | | End | |
| Item | Crown Su | rface / Depres | ssions / | 38.5748 | 60° | 38.574293° | |
| пеш | Rutting | | | -121.644047° | | -121.638713 ° | |
| DWR ID DWR_ST0012_02_s _ 2016_25 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| Crown needs to be regraded. | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the crown of the levee looking downstream. Road needs to be regraded. Spring 2016.